

Product Health & Safety

Data Sheet

penreco

A PENNZOIL DIVISION

Code 4047

I Product Identification

| | | | |
|-----------------------|--|-------------------------|--------------|
| Manufacturer's Name | PENRECO | | |
| Address | 106 South Main St., Butler, Pennsylvania 16001 | | |
| Regular Telephone No. | 412/756-0110 | Emergency Telephone No. | 412/756-0110 |
| Trade Name | MIL-C-6529C, AM. 2, TYPE 3 | | |
| Synonyms | Corrosion preventive compound. | | |

II Hazardous Ingredients

| Material or Component in Hazardous Concentrations | % | Hazard Data |
|---|---|-------------|
| None. | | |

III Health Effect Information

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| Eye Contact | Eye contact may cause burning and irritation. |
| Skin Contact | Irritation or dermatitis may develop on prolonged or repeated exposure. |
| Inhalation | Excessive inhalation may cause local irritation, drowsiness, pneumonia, or coma. |
| Ingestion | Ingestion may cause local irritation of the mucous membranes of the mouth, esophagus, and stomach. |
| Health Data | OSHA permissible exposure limit (PEL) for oil mist is 5 mg/M ³ . |
| Systemic Effects | Unknown |

IV Emergency & First Aid Procedures

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| Eye Contact | Flush eyes with large amounts of water. Continue at least for 15 minutes. CALL A DOCTOR IMMEDIATELY. |
| Skin Contact | Remove all contaminated clothing. Wash exposed portions of the skin with soap and water. Contaminated clothing must be washed before being reworn. |
| Inhalation | Remove exposed person to fresh air immediately. If breathing has stopped, apply artificial respiration and administer oxygen if necessary. CALL A DOCTOR IMMEDIATELY. |
| Ingestion | If material has been swallowed, DO NOT induce vomiting. CALL A DOCTOR IMMEDIATELY. |

V Personal Health Protection Information

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| Eye Protection | Plastic face shield or splash proof safety goggles should be worn if material is handled in such a way that it could be splashed into eyes. |
| Skin Protection | Synthetic rubber protective clothing; boots, gloves, aprons, etc. may be worn over parts of body subject to exposure if person handling is sensitive to skin irritation as a result of exposure to oils. |
| Respiratory Protection | Low concentration mist: Use half-mask or full face piece respirator with replaceable cartridge filter. High concentration mist: Use full face supplied air respirator in positive pressure mode or full face self-contained breathing apparatus with positive pressure. NOTE: All respirators must be of the NIOSH approved type. DO NOT use compressed oxygen in hydrocarbon atmospheres. |
| Ventilation | Adequate ventilation in accordance with good engineering practice must be provided. |
| Other | Wash hands and face with soap and water before smoking or eating. |

VI Fire Protection Information

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| Flash Point (Test Method) | 275°F, ASTM D-92 | | Autoignition Temperature (°F) | >600°F |
| Flammable Limits In Air % By Vol. | Lower | Not determined | Upper | Not Determined |
| Extinguishing Media | Foam, dry chemical, carbon dioxide | | | |
| Special Fire Fighting Procedures | Treat as oil fire. Use water only to cool surrounding containers of flammable or combustible material. | | | |
| Unusual Fire and Explosive Conditions | Dense smoke may be generated when burning. | | | |
| Hazardous Combustion Products | Products of combustion — CO, CO ₂ , smoke, SO _x . | | | |

VII Reactivity Data

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|---|-------------------------|---|-----------------------------|------|
| Stability (thermal, light, etc.) | Stable | X | Con- ditions to Avoid | None |
| | Unstable | | | |
| Incompatibility (materials to avoid) | Strong oxidizing agents | | | |
| Hazardous Decomposition Products | None | | | |
| Hazardous Polymerization | Stable | X | Con- ditions to Avoid | None |
| | Unstable | | | |

VIII Environmental Precautions

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| Steps To Be Taken if Material is Released or Spilled | Scrape up material into waste containers, or absorb with dry sand or oil absorbents. Clean spill area with detergent solutions or safety solvents. Provide adequate ventilation during clean up. |
| Waste Disposal Method | Waste materials should be dumped or buried in an approved industrial waste land fill. Large quantities may be disposed of by incineration in a suitable combustion chamber. Disposal must comply with all federal, state, and local regulations. |

IX Special Precautions

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| Handling and Storage Requirements | <p>Store in sealed containers away from heat, open flame, and oxidizing materials. Fire extinguishers must be kept readily available and personnel trained in proper use.</p> <p>See NFPA 30 and OSHA 1910.106 — FLAMMABLE AND COMBUSTIBLE LIQUIDS.</p> |
| Precautionary Statements | <p>Do not transfer to unmarked containers.</p> <p>Follow DOT regulations during transport.</p> <p>Proprietary chemicals obtained from various manufacturers are added to this product. These additives have been designated as non-hazardous by the manufacturers. Should additional information on these additives be required, contact Pennzoil Company.</p> |

X Physical Properties

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|--------------------------------|-----------------|---|--------------|---|
| Boiling Point (°F) | Unknown | Melting Point (°F) | N/A | Solubility Negligible in water. |
| Vapor Pressure (mm Hg & temp.) | <1 mm Hg @ 70°F | Specific Gravity (H ₂ O = 1) | Approx. 0.88 | Appearance, Color, Odor, etc. Dark amber, transparent liquid. Petroleum odor. |
| Molecular Weight | Varies | Percent Volatile by Volume (%) | Nil | Other |
| Vapor Density (air = 1) | <1 | Evaporation Rate (EE = 1) | <1 | |

Approved By: George Brothers, Mgr., Tech. Services

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Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917).